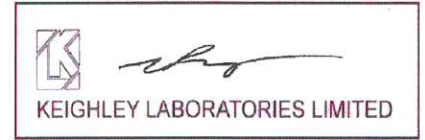


Certificate Ref: 3000413740

Order Ref: PO-03583
Received: 08/11/2019
Issue Date: 26/11/2019

For the attention of: Leah Hatch
K & S Aerospace Components
Unit 14 Eddystone Road
South Hants Industrial Park
SOUTHAMPTON
Hampshire
SO40 3SA



Lloyd Roper
Metallurgical Technician

BUTT WELDED NICKEL ALLOY SHEET
Material Specification - Nimonic 75 (MSRR 7104)

Welded By : K Hatch
Welder ID : KS01
Welding Process : TIG
Filler Rod : MSRR 9500/3
Job Number : 01716

Weld Test

Overall Result Acceptable

Visual Examination

Condition As Welded
Magnification Up to x25
Result Acceptable

Tensile Test

Specification

Laboratory Temperature		20 °C
Dimensions	a x b	25.0 x 1.23 mm
Area	So	30.8 mm ²
Maximum Force	Fm	24.81 kN
Tensile Strength	Rm	806 N/mm ²
Tensile Strength	Rm	116.90 ksi
Broke		Adjacent to weld
Result		Acceptable - providing tensile strength meets the design requirements

Decision Rule - Zero guard band approach implemented where applicable.
Page 1 of 2

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Certificate Ref: 3000413740

Order Ref: PO-03583
Received: 08/11/2019
Issue Date: 26/11/2019

Bend Test

Laboratory Temperature	20 °C
Bend Radius	2 x thickness
Face Bend	Bent 180° without cracking.
Result	Acceptable

Metallographic Examination

Magnification	x50 - x500
Etchant	B.O.S.
Section(s) assessed	1
Result	Acceptable

Note

N/A

Test Schedule: C.A.A. - British Civil Airworthiness Requirements Chapter A8-10 as applicable.
Test Schedule: Rolls Royce plc. - RPS 912 Issue 18 as applicable.
Test Schedule: British Standard BS ISO 24394:2018 as applicable.

*** END OF DOCUMENT ***



0034

Decision Rule - Zero guard band approach implemented where applicable.
Page 2 of 2

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